

		Amount	Agency	Research Subjects
5.	<u>Yale University</u> (New Haven)			
	Albrink (MCR-21)	6,000	ACS	Animal & <u>in vitro</u> transplantation
	Banfield et al. (C-1886)	28,091	NCI	Electron microscopy of tissues
	Bonner (BO-12H)	5,400	ACS	Genetic control, enzyme specificity
	Bunting (G-383 C5)	10,098	NCI	Histochemistry
	Busch (#110)	9,000	JCC	Metabolism, <u>in vivo</u>
	Duran-Reynals (V-8G)	10,000	ACS	Virus infection
	Duran-Reynals (#20)	16,500	JCC	
	Duran-Reynals (C-997 C4)	18,306	NCI	
	Fruton (E-14G)	9,400	ACS	. Peptide bonds, proteinases
	Gardner (#13)	6,800	JCC	Hormonal imbalances
	Gaylord (#112)	5,000	ACS	Virus development
	Greene (CP-11F)	12,500	JCC	Tissues
	Greene (#43)	25,464	NCI	
	Greene (C-918 C4)	12,000	JCC	Nucleic acids
	Hakala (#61-33)	3,800	ACS	Experimental & clinical
	Lippard (INSTR-47E)	50,000	JCC	Folic acid
	Nichel (SG-8)	Scholar	ACS	Embryos
	Nicholas & Boell (MCR-9E)	9,000	NCI	Immunochemical differences in sera
	Parfentjev (C-1201 C3)	13,524	ACS	Spectra biological compounds
	Setlow (PH-20)	8,251	ACS	Heterologous transplants
	Sokal (V-5)	6,000	JCC	Cholesterol in liver
	Srere (#61-31)	4,000	ACS	Methylcholanthrene,
	Strong (EG-38A)	5,000	NCI	Gastric lesions
	Strong (C-932 C4)	10,303	JCC	Mammary gland,
	Trentin (#97)	2,000	NCI	Lactation
	Trentin (C-1491 C2)	3,872	NCI	X-ray, ovary
	Van Eck (C-1656 C)	9,000	NCI	
	Van Eck (C-1656 Ca)	3,500	DRMF	Enzymatic adaptation
	Vogel (DRF-109A)	Fellow	NCI	Virus multiplication
	Wagner (C-1998)	8,000	ACS	Pyrimidines
	Welch (CH-7A)	28,000	DRMF	
	Welch (DRR-248)	10,750	JCC	Metabolism, transplants
	Winternitz (#113)	12,000		
		361,559		

DELAWARE

University of Delaware (Newark)
Feeley (INSTR-34D)

Ext. time

ACS Cathode rays,
 living cells

DISTRICT OF COLUMBIA

1. George Washington University

Corman (C-1234 C2)	Lm	3,793
Corman (C-1939)		5,377
Klopp (INSTR-24F)		25,000
Kok (BAF-23)	Fellow	10,584
Smith (C-308 C6)		10,000
Smith & Alpert (DRR-42G)		54,754

NCI Proliferation, antibiotics
NCI Clinical & research
ACS Reticulosis
ACS Control substances
NCI Radioisotopes

		Amount	Agency	Research Subjects
2.	<u>Georgetown University</u> Sullivan (C-1340 C3)	4,887	NCI	Tryptophan-kynurenine metabolism
3.	<u>Howard University</u> Marshall (C-1420 C2) McKinney (C-1676 C) Newman (DRIR-111B) Newman & Marshall (C-1874 R)	4,000 7,000 5,400 <u>11,674</u> 28,074	NCI NCI DRMF NCI	Krebs tricarboxylic acid cycle Tissue cultures Amino acids Embryogenesis, tricarboxylic acid cycle
4.	<u>National Academy of Sciences</u> Committee on Growth (INSTR-12B) Grady (INST-6G) Heumann (CBC-LH) Heumann (C-366 C5) Lucké (INST-27E) Lucké (#96) Wason (INSP-75) Weiss (INST-12A) Winternitz (DRIR-80B)	108,756 2,250 15,000 27,000 14,175 1,000 28,900 1,000 2,500 203,581	ACS ACS NCI ACS JCC ACS ACS DRMF	Operating budget Preparation educational material Chemical-biological correlation Asst. Atlas of Tumor Pathology Budget, Comm. C. Diagnosis & Therapy Comm. Animal resources Diagnosis & therapy

FLORIDA

1.	<u>Dade County Cancer Institute</u> (Miami) Grand (DRIR-216A) Hoffman (C-1703 C)	7,800 9,936 17,736	DRMF NCI	Antibiotics & chemotherapeutic agents Biopsy cytology
2.	<u>Florida Southern College</u> (Lakeland) Sokoloff (DRIR-156B)	2,800	DRMF	Ascorbic acid
3.	<u>Florida State University</u> (Tallahassee) Metz (CP-44B)	3,888	ACS	Fertilization
4.	<u>University of Florida</u> (Gainesville) Ray (CH-1) Ray (DRIR-33C) Ray (C-1066 C3) Ray (C-1308 C2) Ray (C-1356 C2)	11,550 17,500 12,000 5,000 7,900 53,950	ACS DRMF NCI NCI NCI	Therapeutic compounds Radioactive derivatives Acetylaminofluorene Radioactive sulfur compounds
5.	<u>University of Miami</u> (Coral Gables) Dunning (GP-6F) Dunning (N-15A) Dunning (C-1861) Dunning (C-1864) Paff (C-2007)	Ext. time 4,000 7,020 2,700 9,000 22,900	ACS ACS NCI NCI NCI	Cysticercus fasciolariis Nucleic acid diet Immunity Living mast cell

1003532428

GEORGIA

1.	<u>Emory University</u> (Emory University) Foraker (C-1486 C2) Russell & Wilhelm (EEP-6G)	7,000 6,750 13,750	NCI ACS	Exfoliative cytology Nitrogen
2.	<u>Oglethorpe University</u> (Oglethorpe) Cohen (CP-36C)	3,670	ACS	Protoplasmic organization

400352429

IDAHO

University of Idaho (Moscow)
Beck (C-1802)

Amount	Agency	Research Subjects
6,284	NCI	Clostridium acidi urici
3,000	JCC	Support, Jour. Cancer Research
6,480	NCI	Med. application, betatron
14,143	NCI	Antibodies
5,810	NCI	Liver
4,860	DRMF	Cortisone
24,818		
165,000	ACS	Adrenalectomy patients, antigens,
28,000	DRMF	Radioisotypes
6,588	ACS	Selective radiation
5,076	ACS	Enzymatic histochemistry
5,562	NCI	Radioactive colchicine
Fellow	ACS	Amino acids
55,000	ACS	Chemotherapy
12,000	DRMF	Hormonal control
24,700	JCC	Steroid hormones, pituitary principles
9,871	ACS	Tissue & leukemia & ACTH
4,000	ACS	and/or aminopterin
7,500	NCI	Proteins, multiple myeloma
7,080	NCI	Brain & beta ray
8,000	NCI	Gastrointestinal tract
Fellow	DRMF	Proteins & nucleic acids
2,500	NCI	Triphosphopyridine nucleotide
7,500	ACS	Morphogenesis
20,000	ACS	Metabolism, sodium & potassium
Scholar	ACS	tissue content
367,747		
1,500	ACS	Oxidative metabolism in Euglena
14,250	ACS	Plant tumors & virus
5,600	NCI	Oral epithelium & radioactivity
6,000	ACS	Reproductive organs & hormones
3,800	NCI	Gastric mucosa
7,452	NCI	Betatron electron & bone, cartilage
4,725	ACS	Leukemia therapy
406	NCI	Adrenal cortical secretion
9,936	NCI	Mammary glands

100353480

		Amount	Agency	<u>Research Projects</u>
	<u>University of Illinois (Cont'd)</u>			
	Kummerow (CH-12)	2,000	ACS	P-dimethylaminoazobenzene
	Luria (V-3G)	24,450	ACS	Virus growth & structure
	Nance (CP-43B)	3,780	ACS	Indole-3-acetic acid & pyruvate
	Odell (CS-15A)	Ext. time	ACS	Gynecologic cancer
	Plummer (C-1986)	6,804	NCI	Tissue cultures & amelanotic melanomas
	Spiegelman (C-1094 C3)	9,900	NCI	Intracellular enzymes
	Vestling (C-1856)	9,965	NCI	Liver enzymes
	Winzler (PR-14C)	Ext. time	ACS	Plasma mucoprotein
	Winzler (C-1828)	<u>12,000</u>	NCI	Amino acids
		121,068		
7.	<u>Loyola University (Chicago)</u>	5,000	ACS	Enzyme systems in pituitary gland
	Melchior (H-9B)			
8.	<u>Michael Reese Hospital (Chicago)</u>	Fellow	DRMF	Metastasis urinary bladder, prostate
	Schwarz (DRF-120A)	13,500	DRIR	Nutrition
	Tannenbaum (DRIR-250)	<u>12,000</u>	NCI	
	Tannenbaum (C-248 C7)	25,500		
9.	<u>Northwestern University (Chicago & Evanston)</u>	1,800	ACS	Immunity to transplants
	Preston & Schrek (VI-4)	15,000	NCI	Pathological lesions
	Wartman (C-1005 C3)	<u>1,000</u>	EUPF	Enzymes & related chemicals
10.	<u>Southern Illinois University (Carbondale)</u>	17,800	NCI	Enzymes, yeasts
	Lindgren (C-1179 C3)	5,000	ACS	Amino acids & polypeptides
	Lindgren & Sheffner (N-17A)	<u>8,000</u>		& proteins
		13,000		
	<u>INDIANA</u>			
1.	<u>Indiana University Foundation Research Division (Bloomington)</u>	8,240	NCI	Naphthobenzthiophene series
	Campaigne (C-1948)	6,000	ACS	Protein-protein interaction
	Haurowitz (PR-19B)	Ext. time	ACS	Venus pathways, bone, transplants
	Lawrence (GS-11B)	12,000	ACS	Mutations in Drosophila
	Muller (EG-9G)	9,500	NCI	Lymphomas & leukemia
	Muller (C-382 C5)	7,961	NCI	Heredity in Paramecium
	Smith (C-1602 C)	8,187	ACS	
	Sonneborn (EG-31C)	51,888		
2.	<u>University of Notre Dame (Notre Dame)</u>	2,500	ACS	Unsaturated lactones
	Campbell (CH-3C)	<u>20,500</u>	DRMF	Germ-free life
	Reyniers (DRIR-48C)	23,000		
3.	<u>Purdue University (Lafayette)</u>	4,300	ACS	Bacteria, ultraviolet radiation
	Benzer (VI-1)	Scholar	ACS	Microorganisms, mutagenesis
	Garner (SG-3)	<u>4,300</u>		
	<u>IOWA</u>			
1.	<u>Iowa State College (Ames)</u>	3,600	ACS	Autoradiographic study, insects
	Dahn (CP-49A)	<u>2,570</u>	ACS	Nucleotides
	Sinzheimer (PH-19)	6,170		